



## **GENERATOR SET ISO 8528-5: 2005 STANDARD OPERATING LIMITS**

### **STANDARDS**

ISO8528 specifies the performance of reciprocating internal combustion engine driven alternating current generating sets.

There is a number of performance grades specified:

### **GRADES**

**G1      G2      G3**

#### **STEADY STATE**

Steady state frequency:  $\leq 2.5 \% \leq 1.5 \% \leq 0.5 \%$

Steady state voltage:  $\leq \pm 5 \% \leq \pm 2.5 \% \leq \pm 1 \%$

#### **100% LOAD DECREASE**

Transient frequency:  $\leq +18 \% \leq +12 \% \leq +10 \%$

Transient voltage:  $\leq +35 \% \leq +25 \% \leq +20\%$

#### **SUDDEN LOAD INCREASE**

Transient frequency:  $\leq -15 \% \leq -10 \% \leq -7 \%$

Transient voltage:  $\leq -25 \% \leq -20 \% \leq -15\%$

G2 is the normal level of performance specified.